



Patent
TH-1396N (US)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on or before the date shown below.

Richard F. Lemuth
Richard F. Lemuth

Date June 9, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)	
)	
JOHN ROBERT LOCKEMEYER)	
)	
Serial No. 09/992,784)	Group Art Unit: 1725
)	
Filed November 6, 2001)	Examiner Johnson, Christina A.
)	
CATALYST COMPOSITION)	June 9, 2005
)	

COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56 AND 1.97

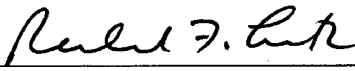
It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents, other than U.S. patent documents, are enclosed. For a foreign language document, an English language abstract is provided.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

This Information Disclosure Statement is being filed concurrently with a Request for Continued Examination.

Respectfully submitted,

JOHN ROBERT LOCKEMEYER

By 

Attorney, Richard F. Lemuth
Registration No. 30,081
(713) 241-3716

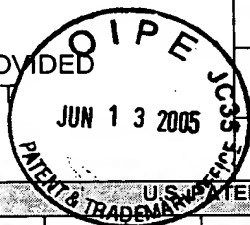
P. O. Box 2463
Houston, Texas 77252-2463

Enclosure

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANTAPPLICANT
John R. Lockemeyer

(Use several sheets if necessary)

FILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,797,270	1/89	Alvarado Cendan et al	423	625	
	AB	4,361,504	11/82	Solomon et al	252	463	
	AC	4,366,092	12/82	Winterton	252	476	
	AD	4,810,689	3/89	Hayden	502	347	
	AE	4,186,106	1/80	Rebsdat et al.	252	414	
	AF	4,125,480	11/78	Maxwell	252	414	
	AG	5,545,603	8/96	Kemp	502	347	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	56164013	12/81	Japan (Abstract)	C01F7/02			
	AM	211,521	2/87	EP	B01J	23/66		
	AN	563,414 A1	10/93	EP	B01J	23/52		
	AO	568,978	1/46	GB				
	AP	2,005,978	10/69	France (Abstract)	B01J	11/00		
	AQ	96/23585	8/96	WO	B01J	23/66		
	AR	96/41848	12/96	WO	C10G	45/08		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	Brunauer, S., Emmett, P. Y. and Teller, E., J. Am. Chem. Soc. , 60, 309-16 (1938).
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,212,772	7/80	Mross et al	252	476	
	AB	6,103,916	8/00	Takada et al	549	534	
	AC	4,628,129	12/86	Bartley	568	864	
	AD	4,379,134	4/83	Weber et al	423	626	
	AE	4,361,504	11/82	Solomon et al	252	463	
	AF	4,356,312	10/82	Nielsen et al	549	534	
	AG	6,281,160	8/01	Basset et al	502	332	

FOREIGN PATENT DOCUMENTS								
		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	56105750	8/81	Japan (Abstract)	B01J	23/66		
	AM	0937498 A1	8/99	EP	B01J	23/66		
	AN	716,884	6/96	EP	B01J	23/66		
	AO	95/11953	5/95	WO	C10G	45/54		
	AP	86/06063	10/86	WO	C07C	45/33		
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,935,894	8/99	Kanazirev	502	341	
	AB	4,665,048	5/87	Van Leeuwen et al	502	221	
	AC	4,797,279	1/89	Karamata et al	424	93	
	AD	5,374,748	12/94	Rizkalla	549	534	
	AE	4,361,500	11/82	Mathe et al	252	430	
	AF	3,972,829	8/76	Michalko	252	430	
	AG	4,005,049	1/77	Fields	252	467	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,908,343	3/90	Bhasin	502	218	
	AB	4,797,270	1/89	Cendan et al	423	625	
	AC	4,366,092	12/82	Winterton	252	476	
	AD	4,367,167	1/83	Lee et al	252	472	
	AE	4,810,689	3/89	Hayden	502	347	
	AF	4,186,106	1/80	Rebsdatt et al	252	414	
	AG	4,125,480	11/78	Maxwell	252	414	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,886,917	12/89	Knopf et al	568	623	
	AB	5,057,481	10/91	Bhasin	502	208	
	AC	2,901,441	8/59	Waterman	252	463	
	AD	5,734,068	3/98	Klopries et al	549	536	
	AE	5,668,077	9/97	Klopries et al	502	347	
	AF	4,874,739	10/89	Boxhoorn	502	218	
	AG	4,916,243	4/90	Bhasin et al	549	534	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,387,751	2/95	Hayden et al	549	534	
	AB	5,364,826	11/94	Kemp	502	315	
	AC	5,380,885	1/95	Kemp	549	536	
	AD	5,418,202	5/95	Evans et al	502	348	
	AE	5,447,897	9/95	Kemp	502	303	
	AF	5,486,628	1/96	Kemp	549	536	
	AG	5,597,773	1/97	Evans et al	502	348	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,663,385	9/97	Kemp	549	536	
	AB	5,100,859	3/92	Gerdes et al	502	439	
	AC	5,055,442	10/91	Osaka et al	502	439	
	AD	5,037,794	8/91	Magistro	502	355	
	AE	4,994,588	2/91	Kapicak et al	549	534	
	AF	4,994,589	2/91	Noterman	549	534	
	AG	5,112,795	5/92	Minahan et al	502	324	

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
TH1396 N (US)APPLICATION NUMBER
09/992,784APPLICANT
John R. LockemeyerFILING DATE
November 6, 2001GROUP ART UNIT
1725

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,380,697	1/95	Matusz et al	502	348	
	AB	4,532,231	7/85	Johnson	502	347	
	AC	4,382,149	5/83	Krueger	568	473	
	AD	5,179,057	1/93	Bartley	502	170	
	AE	5,189,004	2/93	Bartley	502	170	
	AF	5,157,180	10/92	West et al.	585	313	
	AG	4,420,420	12/83	Mita et al	502	261	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1396 N (US)

APPLICATION NUMBER
09/992,784

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
John R. Lockemeyer

FILING DATE
November 6, 2001

GROUP ART UNIT
1725

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	3,895,093	7/75	Weidenbach et al	423	213.5	
	AB	4,235,798	11/80	Bartley et al	260	449	
	AC	4,244,889	1/81	Bartley et al	564	132	
	AD						
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AS	
	AT	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

	AU	
--	----	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.